

INDEX.

[Synonyms and native names are printed in *italics*. A star * denotes the first publication of a name, a dagger † a fossil species.]

- Abdominal vesicle of *Microgaster*, 397, 411.
- Abrolhos Islands, a new species of *Enteropneusta* from (Dakin), 85-100.
- Achatina* sp. (?), 345.
- Acherontia atropos*, *Curt.*, 324.
- Acræa acara*, *Hew.*, 230.
- *anemosa*, *Hew.*, 294.
- *areca*, *Mab.*, 232-384.
- *asema*, *Hew.*, 294-384.
- *buxtoni*, *Butl.*, 291-384.
- *cabira*, *Hoff.*, 359-365.
- *doubledayi*, *Guér.*, 258-384.
- *encedon* (*Linn.*), 207-373.
- *esebria*, *Hew.*, 245-384.
- *igola*, *Trim.*, 294-384.
- *johnstoni*, *Godm.*, 252-384.
- *natalica*, *Boisd.*, 262-384.
- *neobula*, *D. & H.*, 365, 373.
- *rabbaiæ*, *Ward*, 304.
- *rahira*, *Boisd.*, 308, 354.
- *satis*, *Ward*, 313.
- *serena*, *Godt.*, 258-367.
- *terpsichore* (*Linn.*), 365.
- *zetes acara*, *Hew.*, 207.
- Acræinæ*, low in favour as food, 217.
- Acridium lineatum*, *Stoll*, 254, 259, 284, 355, 364, 369.
- Adoretus* ? sp., 324, 325.
- Ægocera fervida*, *Walk.*, 327.
- Æschna*, *Fabr.*, 61; mentd., 1, 8-14, 45-72.
- *brevistyla*, *Ramb.*, 62, 75, 78; new notation for wing-venation, 3-5; nymph, 128-191; mentd., 14, 45, 68-71.
- Æschna brevistyla* var. *lineata*, *Tilly.*, 62.
- — var. *oblita*, *Tilly.*, 62.
- *clepsydra*, *Tilly.*, mentd., 11.
- *constricta*, *Tilly.*, mentd., 11.
- *diffinis*, *Ramb.*, mentd., 65.
- *guttata*, *Burm.*, 66.
- *juncea* (*Linn.*), *Burm.*, mentd., 61.
- *papuensis*, *Burm.*, 67.
- Æschnidium densum*, *Hagen* †, mentd., 31.
- Æschninæ*, Life-Histories and Descriptions of Australian, by R. J. Tillyard; with a Description of a New Form of *Telephlebia* by H. Champion, 1-83.
- Æschnini*, 11-13, 61-74; mentd., 7-9.
- Æschnophlebia*, mentd., 11.
- "*Æshna*" of Fabricius, Note on, 61-62.
- Agrionidæ*, mentd., 9.
- Alena nyassa*, *Hew.*, 356.
- Aleimus rubiginosus*, *Gerst.*, 206, 327-359.
- Alesia bidentata*, *Muls.*, 336.
- Aletis monteironis*, *Druce*, 297, 354-355.
- Alimentary tract of *Microgaster*, 394.
- Allopetalia*, mentd., 11.
- Allotrias*, *Westw.*, a hyperparasite, 406.
- Alsophila*, *R. Br.*, sp. mentd., 23.
- Amauris albimaculata*, *Butl.*, 207-384.
- *lobengula*, *Sharp*, distasteful, 222-384.
- *niavicus dominicanus*, *Trim.*, 207, 235-384; as food, 220.
- *ochlea*, *Boisd.*, 207-235.
- Amiantus globulipennis*, *Pér.*, 331, 344, 352.
- Amphiæschna*, *Sély*s, mentd., 12.
- Anachalcos spectabilis*, *Pér.*, 337.

- Anaciæschna*, *Sély*s, mentd., 9, 12.
Anacini, mentd., 9.
 Anatomy of parasitic Hymenoptera (Gatenby), 387-416.
Anax, *Leach*, 66; mentd., 6-12, 58.
 — *congener*, *Ramb.*, 67.
 — *gibbosulus*, *Ramb.*, 66, 78; mentd., 14, 159.
 — *guttatus* (*Burm.*), 66, 78; mentd., 14.
 — *imperator*, *Leach*, mentd., 66.
 — *junius*, *Oustal.*, mentd., 159.
 — *papuensis* (*Burm.*), *Brauer*, 67, 75, 78; mentd., 14, 60-65; nymph, 128-192.
 — *speratus*, *Hagen*, *expers.*, 206.
Andronymus *neander*, *Plötz*, 368.
Anisoptera, wing-venation, 2-4.
 Anisopterid Dragonflies, Rectal Breathing-Apparatus in the Larvæ of, by R. J. Tillyard, 127-201.
Anomala *ustulatipes*, *Fairm.*, 322, 355; fed to birds, 215.
Antanartia *schœneia*, *Trim.*, 234-383.
Antestia *lineaticollis*, *Stål*, 362, 365.
Anthomyia, *Meig.*, 355, 365.
Anthores *leuconotus*, *Pasc.*, larva, 263; pupa, 315.
 Ants, rejected, 318.
Apalis *thoracicus*, *Shaw & Nodder*, *expers.*, 206.
Apanteles, *Först.*, a parasitic genus, 388.
 — *glomeratus*, *Först.*, 389, 390.
Aphelinus, a parasite of a Coccid, 406.
Aphidæ parasitized, 403.
Aphidius, *Nees*, a parasitic genus, 388-413.
Aphis *pomi*, *De Geer*, parasitized by an *Aphidius*, 388-416.
Aquila *wahlbergi*, *Sundev.*, *expers.*, 205.
Argadesa *materna* (*Linn.*), mentd., 317.
Argina *amanda*, *Boisd.*, 313.
Argiolaus *lalos*, *Druce*, 377.
Argynnis *hyperbius* (*Linn.*), 207.
Arrugia *basuta*, *Wallg.*, 311.
 Arthropods, *expers.* with, 205.
Asaphes *vulgaris* (*Nees*), 405.
Asturirula *monogrammica*, *Temm.*, *expers.*, 205-220.
Atella *phalantha*, *Drury*, 207-383.
Aterica *galene*, *Brown*, 316, 322, 373.
Athalia *himantopus*, *Klug*, 348; larva refused, 365.
Atractomorpha, *Sauss.*, 355.
Aulacophora, *Chevr.*, sp., 335.
 — *vinula*, *Er.*, 369.
Austroæschna, *Sély*s (partim), 45; mentd., 2, 11-13.
 — *anacantha*, *Tilly.*, 48, 56, 75, 77; mentd., 14, 47.
 — *aspersa*, *Martin*, 14, 56.
 — *atrata*, *Martin*, 48, 57, 75, 77; mentd., 14, 47, 50.
 — *costilis*, *Martin*, 22.
 — *forcipata*, *Tilly.*, 47, 77; mentd., 13, 56.
 — *inermis*, *Martin*, 50, 77; mentd., 13, 47.
 — *intersedens*, *Martin*, 46.
 — *longissima*, *Martin*, 48, 51, 75, 77; mentd., 13, 47, 53.
 — *milnei*, *Sély*s, 46.
 — *multipunctata*, *Martin*, 48, 53, 75, 77; nymph, 138-153; mentd., 14, 34, 47, 51-56.
 — *parvistigma*, *Sély*s, 48, 54, 75; mentd., 46, 47.
 — *flavomaculata*, *Tilly.**, 47, 77; mentd., 14.
 — *parvistigma*, *Sély*s, 77; mentd., 14.
 — *sagittata*, *Martin*, 42, 46, 58.
 — *severini*, *Förster*, 13.
 — *tasmanica*, *Tilly.**, 49, 58, 77; mentd., 14, 47.
 — *tripunctata*, *Martin*, 47, 76; mentd., 13.
 — *unicornis*, *Sély*s, 47, 55; mentd., 13, 49.
 — *pulchra*, *Tilly.*, 48, 56, 75, 77; mentd., 19.
 — *unicornis*, *Martin*, 76.
 — *victoria*, *Martin*, 47; mentd., 14.
 — *weiskei*, *Förster*, 47, 76; mentd., 13.
Austrocordulia *refracta*, *Tilly.*, nymph, 135-176.
Austrogomphus *ochraceus*, *Sély*s, nymph, 138-190.
Austrogynacantha, *Tilly.**, 73; mentd., 4, 12-14, 70.
 — *heterogena*, *Tilly.**, 74, 78; mentd., 14.
Austropetalia, *Tilly.**, 14; mentd., 10, 13, 63.
 — *patricia*, *Tilly.*, 16, 75, 76; mentd., 8, 13, 38, 40.
Austrophlebia, *Tilly.**, 21; mentd., 11-13.

- Austrophlebia costalis*, *Tilly.*, 22, 75, 76;
 nymph, 138-153; mentd., 13, 80.
Azanus mori qua, *Wally.*, 323, 370.
- Bagrada hilaris*, *Burm.*, 345.
Balanoglossus australiensis (*Hill*), 95, 96,
 97; mentd., 86, 87, 91, 94.
 — *clavigerus*, *D. Ch.*, 93.
Baoris, *Moore*, 274.
Basiaeschna, *Selys*, mentd., 12.
 Bee-eater, expers. with, 205, 206; refusing
 bees, 212.
 Bees, 355-6.
Belenois gidica, *Goët.*, 376.
 — *mesentina*, *Cram.*, 234-384.
 — *severina*, *Cram.*, 242-384.
 — *thyrsa*, *Hopff.*, 207.
 Bill-wiping, sign of dislike, 222.
 Bionomics of parasitic Hymenoptera
 (*Gatenby*), 387-416.
 Birds' preference for butterflies, 203-
 385.
Bostrichoplites cornutus, *Oliv.*, 330.
Boyeria, *McLachl.*, mentd., 11.
Brachycerus, *Fabr.*, 357, 370.
 — *apterus* (*Linn.*), 363-64.
 — *congestus*, *Gerst.*, 337, 355.
Brachytrini, 21-61; mentd., 8, 9, 11.
Brachytron, *Evans*, nymph, 130-153;
 mentd., 11.
 Braconidæ as parasites, 388-412.
 Breathing-Apparatus in the Larvæ of
 Dragonflies, 127-201.
Bubo maculosus, *Vieill.*, expers., 206.
Bucorax cafer, *Boc.*, expers., 206.
 Bulbuls, food for, 216.
 Bush-shrike, expers., 206.
 Butterflies not liked by birds, 209-215;
 those preferred by birds, 203-385.
 Buzzard-eagle, expers., 220.
Byblia, *Huebn.*, 242.
 — *goetzius*, *Wally.*, 258-383.
 — *ilithyia*, *Drury*, 354-366.
 — sp., 338.
- Cacoxenus*, *Loew*, 410.
Cacyreus lingeus, *Cram.*, 250.
Calamus Muelleri, *H. Wendl. & Drude*,
 mentd., 23.
- Calliaeschna*, *Selys*, mentd., 11.
 — *conspersa*, *Tilly.*, 13, 42, 43.
 — *microstigma*, *Schneid.*, mentd., 42.
Callioratis bellatrix, *Dalm.*, 361, 373.
Calliphora, *Desv.*, 354.
Calopteryx, *Burm.*, mentd., 129.
 Campion, H., Description of a New Form
 of *Telephlebia*, 79-80.
Caprona pilaana, *Wally.*, 298, 380.
 Captive birds' appetites, 211.
Casalius calice, *Hopff.*, 370.
 — *sybaris*, *Hopff.*, 370.
Catacroptera cloanthe, *Cram.*, 256-383.
Catamerus, *Fairm.*, 370.
Catantops, *Schaum*, 355, 356.
 — *sulphureus*, *Walk.*, 370.
Catharsius rhinoceros, *Klug*, 336, 357.
Catochrysops dolorosa, *Trim.*, 259, 323,
 370.
 — *parsimon*, *Fabr.*, 325.
 — *peculiaris*, *Rgfr.*, 325.
Catopsilia florella, *Trim.*, 229-384.
Centropus burchelli, *Swains.*, expers., 206;
 rejected, 228.
Ceratitis, *Guér.*, 365.
Cercopithecus, *Erwl.*, expers. with, 205,
 206.
Ceroplesis caffer (*Thunb.*), refused, 311.
 Chalcids, 403.
 Chameleon, expers. with, 205.
Charaxes, *Ochs.*, expers. on, 203.
 — *achæmenes*, *Feld.*, 237-326.
 — *brutus*, *Cram.*, 215-369.
 — *candiope*, *Godt.*, 215-369.
 — *cithæron*, *Feld.*, 237-341.
 — *ethalion*, *Boisd.*, 239-383.
 — *guderiana*, *Dew.*, 232.
 — *natalensis*, *Staud.*, 229-358.
 — *neanthes*, *Hew.*, 232-383.
 — *pollux*, *Feist.*, 251-305.
 — *vologes*, *Rothsch. & Jord.*, 256-364.
 — *zoolina*, *D. & H.*, 231, 243.
Chirinda, Species of Roller at, 226.
Chittira fumata, *Bull.*, 362.
Chlorogomphus, *Selys*, mentd., 18.
Chrysis, *Linn.*, sp., 342.
Chrysococcyx cupreus, *Bodd.*, expers.,
 206.
Chrysops wellmani, *Aust.*, 354.
Cirrospilus (*Westw.*), hyper-hyperparasite,
 403.

- Cladocera femoralis, *Gerst.*, 335.
 Closteromerus viridis, *Pasc.*, 359.
 Cœnina, *Feld.*, 322.
 Coliopasser ardens, *Bodd.*, 206.
 Collinge, W. E., Description of a new
 Species of *Idotea* (Isopoda) from the
 Sea of Marmora and the Black Sea,
 197-201.
 Copris orion, *Klug*, 331, 337.
 Coracias, *Linn.*, species at Chirinda, 226.
 — caudatus, *Linn.*, preys on insects, 227.
 — garrulus, *Linn.*, dexterity in taking
 insects, 227; expers. on, 205, 228-385;
 not eager for grasshoppers, 212.
 — olivaceiceps [*auct.* ²], eating grass-
 hoppers, 212.
 Cordulegaster, *Leach*, nymph, 130-191.
 — pygmæa, *Selys*, nymph, 138-190.
 Cordulia, *Leach*, mentd., 62, 130, 160.
 Corduliinæ, mentd., 32.
 Cornacantha, *Martin*, mentd., 13, 70.
 Corynodis, *dejeani*, *Bert.*, 337-38.
 Coryphæschna, *Williamson*, mentd., 12.
 Crateropus kirki, *Sharpe*, and slug, 348;
 expers., 205.
 Crenis boisduvali, *Wallg.*, 276, 360, 368.
 — natalensis, *Boisd.*, 276, 374.
 — rosa, *Hew.*, failed as food, 216.
 Crossarchus fasciatus, *Desm.*, expers.,
 206.
 Cryptacrus comes, *Fabr.*, 283, 326-28.
 — — *var.* apicalis, *Dist.*, 331.
 Cyclopides metis, *Trim.*, 359-383.
 Cyligramma latona, *Cram.*, 327-384.
 Cymatophlebia, *Deichm.* †, mentd., 20.
 Cymatura bifasciata, *Gerst.*, 324, 326, 330,
 336.
 Cynipids, 405.
 Cyrestis camillus, *Boisd.*, 280, 383.

 Dakin, W. J., A new Species of Entero-
 pneusta, *Ptychodera pelsarti*, from the
 Abrolhos Islands, 85-100.
 Danaida chrysipus (*Linn.*), 207-384.
 — — *f.* alcippus, *Cram.*, 207-362.
 — — *f.* dorippus (*Klug*), 207.
 Dendroæschna, *Tilly.* *, 42; mentd., 11-13.
 — conspersa, *Tilly.* *, 43, 75, 76; mentd.,
 13; nymph, 138-179.
 Dendromys, *Smith*, sp., expers., 206.

 Deudorix, *Hew.*, 370.
 Diacantha petersi, *Bert.*, 334.
 Diacrisia maculosa, *Cram.*, 325.
 Dicksonia, *L'Hérit.*, sp., mentd., 23.
 Dicrurus afer, *Licht.*, expers. with, 205.
 — ludwigi, *Smith*, expers., 206.
 Dielis 5-fasciata, *Fabr.*, 359.
 — — *var.* mansueta, *Gerst.*, 333.
 Diopsis, *Dahl*, 354.
 Diphrontis vethi, *Kraetz*, 315.
 Diplacodes bipunctata, *Br.*, nymph, 138-
 192.
 — hæmatodes, *Burm.*, nymph, 138-195.
 Diplognatha gagates, *Fabr.*, 321, 355.
 Diptera, as food for birds, 216.
 —, parasitic, 410.
 Dipterous parasites, 409, 410.
 Discolia alaris, *Sauss.*, 333.
 Dorylus gerstaeckeri, *Emery*, 318.
 — sp., 336, 350, 365; expers., 206, 365.
Dromæschna, *Förster*, 46.
 Drongo, expers., 206, 216.
 Dryoscopus guttatus, *Hartl.*, expers., 206,
 219.

 Echinocoris [*sic*], sp., 355.
 Emberiza major, *Cab.*, expers. with, 205.
 Embryology of parasitic Hymenoptera
 (*Gatenby*), 387-416.
 Encosternum delegorguei, *Spin.*, 279.
 Encyrtus fuscicollis, 409.
 Enteropneusta, A new Species of, *Ptycho-*
dera pelsarti, from the Abrolhos
 Islands, by W. J. Dakin, 85-100.
 Enyalipsis petersi, *Schaum*, expers., 205,
 353, 357, 365.
 Epicauta thoracica, *Er.*, 328.
 Epilachna, *Chev.*, 377.
 — chrysomelina (*Fabr.*), 352.
 — hirta (*Thunb.*), 283, 335, 353, 363, 365;
 imago, 321.
 — 4-oculata, *Kolbe*, 337.
 Eronia argia (*Fabr.*), 207.
 Eumelosomus zanzibaricus, *Har.*, 349.
 Euphædra neophron, *Hopff.*, 253-383.
 Eupreopnemis, *Fieb.*, sp., 354.
 Euralia mima, *Trim.*, 285-383.
 Eurytela dryope, *Trim.*, 238-384.
 — hiarbas, *Trim.*, 234-384.
 Euxanthe wakefieldi, *Ward*, 306-383.

- Everes cissus, *Godt.*, 382.
 Exosoma bimaculata, *Bert.*, 321, 323.
 — suturale, *Jac.*, 337.
 Experimental results, 208.
- Falcons, expers. with, 205.
 Flies, various, 356, 363.
 Food offered in expers., 214.
 Formicaleo leucospilus, *Hag.*, 334.
 Francolin, expers. with, 205.
 Francolinus coqui, *Smith*, expers., 206.
 — shelleyi, *Grant*, expers., 205.
- Galago crassicaudatus, *Geoff.*, its food, 227.
- Galerucella triloba, *Fabr.*, 333, 353.
- Gatenby, J. B., Notes on the Bionomics, Embryology and Anatomy of Certain Hymenoptera, 387–416.
- Gegenes, *Hueb.*, 244.
 — hottentotta, *Latr.*, 258–383.
- Gilchrist, J. D. F., Larval and Post-Larval Stages of *Jasusalandii* (Milne Edw.), Ortmann, 101–125.
- Glands, spinning, of Microgaster, 396.
- Glossobalanus hedleyi (*Hill*), mentd., 86, 97.
 — minutus (*Kow.*), *Speng.*, mentd., 94, 95.
 — ruficollis (*Willey*), *Speng.*, mentd., 91.
- Glutophrissa saba (*Fabr.*), 243, 363; 304 (as Pinacopteryx); resembling *Amauris ochlea*, 363.
- Gomphæschna, *Sély.*, mentd., 11.
- Gomphinæ, mentd., 10, 18, 40.
- Gomphus, *Leach*, nymph, 130–190; mentd., 62.
- Gonads of Microgaster, 397.
- Gonimbrasia, *Bull.*, sp., 347, 350.
- Gorgopsis, *Gerst.*, 329.
- Ground Hornbills, expers., 206, 218.
- Gymnopleurus fastiditus, *Har.*, 359.
- Gynacantha, *Ramb.*, 70; mentd., 9–14, 69.
 — bonguensis, Förster, 71.
 — dohrni, *Krüger*, 73; mentd., 14, 74.
 — gracilis (*Burm.*), mentd., 70.
 — mocsaryi, *Forster*, 72, 78; mentd., 14.
 — rosenbergi, *Brauer*, 71, 75, 78; nymph, 9–10; mentd., 14, 73.
- Gynanisa ethra, *Westw.*, 328–9; 347, 361.
- Gynopeltis cryptospila, *Walk.*, 354.
- Hæmatopota, *Latr.*, 370.
 — aff. brunnescens, *Ric.*, 356.
- Halcyon cyanoleucus, *Viell.*, expers. with, 205; behaviour in captivity, 213; with Slug, 348.
- Hamanumida dædalus, *Fabr.*, 239, 246, 266, 289.
- Hamm, A. H., on fossorial wasp, 410.
- Harpactor erythrocnema, *Germ.*, expers., 206, 347.
- Heart of Microgaster, 396.
- Heliaeschna, *Sély.*, 74; mentd., 12–14, 70.
 — fuliginosa, *Sély.*, mentd., 74.
 — simplicia, *Karsch*, 74; mentd., 14.
- Hemianax, *Sély.*, mentd., 8–12.
 — ephippiger, *Sély.*, mentd., 68.
 — papuensis, *Sély.*, 67.
- Hemicordulia, *Sély.*, mentd., 9.
 — australis, *Ramb.*, nymph, 138–190.
 — tau, *Sély.*, nymph, 138–190.
- Hemigomphus heteroclitus, *Sély.*, nymph, 138–190.
- Hemiphracta abyssinica, *Jac.*, 321.
- Henotesia perspicua, *Trim.*, 244–384.
- Herpænia eriphia, *Godt.*, 243–384.
- Hesperia, *Fabr.*, 274–383.
- Hestia nama, *Doubl.*, 362.
- Heterorrhina alternata, *Klug*, 346.
- Himatismus fasciculosus, *Pér.*, 339, 351, 353.
- Hipporrhinus chirindensis, *Marshall*, 345.
- Hirundo puella, *Temm.*, expers., 206.
 — rustica, *Lin.*, expers., 206.
- Holopterna alata, *Westw.*, 349.
- Hoopoe, distaste for *Amauris*, 222.
- Hoplonæschna, *Sély.*, mentd., 12.
- Horatopyga, *Stål*, sp., 335, 338, 352.
- Hornbills, expers., 206, 218.
- Hymenoptera parasitica, their bionomics (*Gatenby*), 387–416.
- Hyperparasites of Microgaster, 401.
- Hyper-hyperparasites of Hymenoptera, 403, 407.
- Hypertely, the valuelessness of incipient resemblance, 205.

- Pyphantornis jamesoni*, *Sharpe*, *expers.*, 206.
Hypolimnas deceptor, *Trim.*, 207.
 — *dubius f. wahlbergi*, *Wally.*, 207.
 — — *f. mimas*, *Trim.*, 207.
 — *misippus*, *Hueb.*, 207-384.
 — — *f. alcippoides*, *Butl.*, 207- .
 — — *f. inaria*, *Cram.*, 207-370, 371.
 — *wahlbergi*, *Wally.*, 235.
Hypopetalia, *MacLachl.*, *mentd.*, 10, 15.
- Idotea*, *Fabr.*, Description of a new Species of the Black Sea, by W. E. Collinge, 197-201.
 — *metallica*, *Bosc*, 197, 199.
 — *Stephensi*, *Collinge**, 198.
 Imaginal discs of *Microgaster*, 396.
 Inedibility, 223-225.
 Insects as food in *expers.*, 215; unpleasant, offered as food, 219.
Iphisomus, *Faust*, *sp.*, 335.
Irisor erythrorhynchus, *Lath.*, *expers.*, 206; distaste for *Amauris*, 227.
- Jagoria*, *Karsch*, *mentd.*, 11.
Jasus lalandii (*Milne Edw.*), *Ortmann*, its Larval and Post-Larval Stages, by J. D. F. Gilchrist, 101-125.
Junonia, *Hueb.*, 242, 285.
- Kedestes chaca*, *Trim.*, 359.
- Laccotrepes ater* (*Linn.*), 330, 331.
Lachnocnema bibulus (*Fabr.*), 371, 384.
Lachnoptera ayresi, *Trim.*, 343-383.
Lagria villosa, *Fabr.*, 334.
Lampides bætica (*Linn.*), 244.
Lampyris marginepennis, *Boh.*, 311.
Lanius collaris, *Linn.*, *expers.* with, 205.
 — — *var. humeralis*, 348.
 — *collurio*, *Linn.*, *expers.*, 206.
 Larval and Post-Larval Stages of *Jasus lalandii* (*Milne Edw.*), *Ortmann*, by J. D. F. Gilchrist, 101-125.
 Lemurs, their food, 227.
- Leuceronia argia* (*Fabr.*), 375, 383.
 — *thalassina*, *Boisd.*, 235-383.
Leucocelis ichthyurus, *Arrow*, 336, 337, 339.
 — *parallelocollis*, *Kolbe*, 319.
Libellula depressa, *Linn.*, nymph, 129-176.
Libellulinae, *mentd.*, 8, 9, 10, 32, 60, 71.
Libythea laius, *Butl.*, 339, 340.
Ligaria, *Stål*, *sp.*, 340.
Linæschna, *Martin*, *mentd.*, 11.
Litomastix, *Thomson*, 409.
Lixus, *Fabr.*, *sp.*, 344-45.
Lizard, *expers.* with, 205; *Monitor*, *mentd.*, 39.
Lobivanellus lateralis, *Smith*, *expers.*, 206.
Lophoceros leucomelas, *Licht.*, *expers.*, 206.
 — *melanoleucus*, *Licht.*, *expers.*, 205.
Lycænesthes lemnos, *Hew.*, 368-69, 376.
 — *sp.*, 370.
Lycus, *Fabr.*, *sp.*, refused, 323, 368.
 — *constrictus* (?), *Fhs.*, 338.
Lygæus, *Fabr.*, bug, 288.
 — *swynnertoni*, *Dist.*, unpleasantness, 290, 335.
Lytta designata, *Pér.*, 319, 321.
 — *thoracica*, *Er.*, 357.
- Mabuia striata*, *Peters*, *expers.*, 205.
 McAtee, W. H., his criticisms, 226.
Macroglossa trochilus, *Walk.*, 270.
Macromia, *Ramb.*, *mentd.*, 25, 60.
Mallodon downesi, *Hope*, 355.
 Malpighian tubes of *Microgaster*, 398, 399.
Mantis, *Linn.*, eaten, 364.
Megalognatha rufiventris, *Baly*, 337.
Melanitis leda, *Fabr.*, 244-383.
Merops apiaster, *Linn.*, *expers.*, 205, 206.
Mesochorus pallidus, *Brseh.*, 401.
Metathemis guttata, *Selys*, nymph, 138-165.
 Methods of *expers.* (*Swynnerton*), 220-226.
Micrantereus vicarius, *Pér.*, 354, 357.
Microgaster connexus (*Nees*), its bionomics, etc. (*Gatenby*), 387-416.
Microplitis seurati, *Mars.*, 391.
Microstylum validum, *Lw.*, 356.
Mimacræa marshalli, *Trim.*, 207-373.
 Mimicry *expers.*, 232.

- Mimmermus, *Stål*, sp., 335.
 Moths as food in exsers., 215.
 Musca domestica, *Linn.*, 344, 354-56, 369.
 Mutilla, *Linn.*, 326.
 Mycalesis campina, *Aur.*, 235-384.
 — saftiza, *Hew.*, 240-383.
 Mylabris oculata, *Thunb.*, 333-354.
 — omega, *Mars.*, 333.
 Mylothris agathina, *Cram.*, 207-384.
 — rueppelli, *Koch*, 250-384.
 — yulei, *Bull.*, 243-384.
 Myrmecaria eumenoides, *Gerst.*, 318.

 Nacaduba sichela, *Wally.*, 323.
 Nasiaeschna, *Tilly.* ? mentd., 11.
 Needham, J. B., cited, on notation for wing-venation in *Anisoptera*, 2-3.
 Nephronia ceylanica, *Feld.*, 362, 374, 381.
 Neptis agatha, *Stoll*, 235-384.
 — goochi, *Trim.*, 237, 369, 377.
 — saclava, *Boisd.*, 238-284.
 — swynnertoni, *Trim.*, 271, 372, 376.
 Neptunides, *Thoms.*, as food, 215.
 — polychrous, *Thoms.*, 280, 351; exsers., 328.
 Nervous system of Microgaster, 396.
 Night-adder, exsers., 310, 311.
 Noctua oleracea (*Linn.*), parasitized by Microgaster, 389.
 Notoeschna, *Tilly.**, 58 mentd., 11, 12.
 — sagittata (*Martin*), 75, 78.
 — — var. geminata, 59.
 Numida mitrata, *Pall.*, exsers., 206.
 Nupserha, *Thoms.*, 363.
 Nychitona medusa, *Cram.*, 207, 332-358.
 Nyctemera leuconoë, *Hopff.*, 242, 352, 377.
 Nyctipao macrops (*Linn.*), 271, 327, 369.

 Odynerus vulneratus, *Sauss.*, 354.
 Olapa nuda, *Holl.*, moth, 328, 332.
 Onychogomphus, *Selys*, nymph, 130, 190.
 Ophiusa lienardi, *Boisd.*, 324, 327.
 Orthetrum, *Newm.*, mentd., 130.
 — caledonicum, *Br.*, nymph, 138-169.
 — villosivittatum, *Br.*, nymph, 138-168.
 Orthophagus panoplus, *Bates*, 345.
 Orthoptera, food for birds, 216.
 Osprynchotus flavipes, *Brul.*, 287, 292, 328.

 Owl, exsers. with, 205; shown to birds, 357.

 Pachnoda impressa, *Goldf.*, 320.
 Padraona zeno, *Trim.*, 359, 368, 372.
 Palinurus, *Fabr.*, sp., mentd., 101, 122.
 — vulgaris, *Latr.*, 103, 117.
 Panargyrops æreus (*Grav.*), 403.
 Panulirus, *White*, sp., mentd., 101, 122.
 Papilio angolanus, *Goeze*, 242-384.
 — antheus, *Cram.*, 305.
 — chaon, *Webster*, 361, 373.
 — dardanus, *Brown*, 207-384.
 — — f. cenea, *Stoll*, 366.
 — — f. hippocoon, *Fabr.*, 234.
 — demodocus, *Esp.*, 233-384.
 — echerioides, *Trim.*, 237, 358-9, 361.
 — hippocoon, *Fabr.*, 289-384.
 — leonidas, *Fabr.*, 207-384.
 — — f. brasidas, *Feld.*, 207.
 — lyæus, *Doubl.*, 230-384.
 — memnon, *Linn.*, 361.
 — — agenor, *Linn.*, 373.
 — ophidocephalus, *Oberh.*, 315.
 — policenes, *Cram.*, 302.
 — polycor ganesa, *Boisd.*, 379.
 — protenor, *Cram.*, 379.
 — trophonius, *Westw.*, 368-373.
 Papiro cynocephalus, *Geoff.*, exsers., 206.
 Parantica aglæa, *Cram.*, 361-379.
 Parasitic Hymenoptera, their bionomics (Gatenby), 387-416.
 Pardopsis punctatissima, *Boisd.*, 207.
 Passerine birds, exsers. with, 205.
 Peltacanthina stictica, *Fabr.*, 356.
 Pentila amenaïda, *Hew.*, 207.
 Periaeschna, *Martin*, mentd., 11.
 Petalia, *Hag.*, mentd., 10, 15, 40.
 — apollo, *Tilly.*, 16.
 Petalini, 10, 11, 14, 21; mentd., 5.
 Petalura, *Leach*, mentd., 18, 20, 40.
 — costalis (?), mentd., 22.
 — gigantea, *Leach*, nymph, 138-190.
 Petalurinae, mentd., 20.
 Petascelis remipes, *Sign.*, 289.
 Petrodromus tetradactylus, *Pet.*, exsers., 206.
 Phenes, *Ramb.*, mentd., 20.
 Phrissura isokani, *Smith*, 240-384.

- Phyllastrephus flavistratus*, *Sharpe*, *expers.*, 206, 216.
 — *milanensis*, *Shelley*, *expers.* with, 205.
Phyllopetalia, *Selys*, *mentd.*, 10, 15.
 — *patricia*, *Tilly.*, 13, 15, 16.
Phyllosoma longipes, *Milne Edw.*, *mentd.*, 116.
Phymateus, *Thumb.*, eaten by rollers, 212, 283.
 — *viridipes*, *Bol.*, 278.
Physcænura, *Wallg.*, 370, 383.
Picarian birds, *expers.* with, 205.
Pieris brassicæ, *Lin.*, parasitized by *Apan-
 tales*, 388-403.
Pinacopteryx pigea, *Boisd.*, 239-268.
Pitthea continua, *Walk.*, 358.
Planæschma costalis, *Tilly.*, 13, 22.
Planema aganice (*Hew.*), 294-361.
Platantha, *Herr.-Schaeff.*, *mentd.*, 13, 70.
Platylesches picanini, *Holl.*, 372.
Platynus, *Bon.*, *sp.*, 321.
Platythyrea cribrinodis, *Gerst.*, 323.
Plectranthus "tuberosus" (*quid?*), 328.
Plesiorrhina plana, *Wied.*, 315.
Podalirius vestitus, *Smith*, 363.
Polyhirma ænigma, *Dohrn*, 321, 330.
Polyrhachis gagates, *Smith*, 365.
 — *sp.*, 350.
Porthesia similis, *Steph.*, parasitized, 388-415.
Post-Larval Stages of Jasus lalandii, 101-125.
Precis antilope, *Feist*, 256-380.
 — *archesia*, *Cram.*, 238.
 — *artaxia*, *Hew.*, 231-379.
 — *cebrene*, *Trim.*, 234; as food, 220.
 — *ceryne*, *Boisd.*, 231-238.
 — *clelia*, *Cram.*, 234, 375.
 — *elgiva*, *Hew.*, 250, 364.
 — *natalensis*, *Staud.*, 229-384.
 — *orithyia* (*Lin.*), *var. madagascariensis*, *Guen.*, 266, 302, 310.
 — *sesamus*, *Trim.*, 350.
 — *tugela*, *Trim.*, 274, 325.
Preferences of birds, etc., as to foods, 206, 217-218; of rollers, 383-385.
Procordulia, *Martin*, *mentd.*, 9.
Proctotrypids, 405.
Psammodes mashunus, *Pér.*, 352, 363.
 — *perfidus*, *Pér.*, 352, 354, 363.
Psammodes sp., 352, 363.
Psenulus, *Kohl*, 410.
Pseudacraea boisduvali trimeni, *Bull.*, 207, 233, 234.
 — *lucretia* (*Cram.*), 242, 322, 379.
 — — *f. expansa*, *Bull.*, 207-248.
Pseudocreobotra wahlbergi, *Stål*, 309.
Psiloptera cognata, *Pér.*, 337, 357.
Pternistes humboldti, *Peters*, *expers.*, 206.
Pteromalus, *Swed.*, hyperparasite, 403.
Ptychodera asymmetrica, *Punnett*, 87.
 — *australiensis*, *Hill*, *mentd.*, 86.
 — *bahamensis*, *Willey*, 87, 97.
 — *caledoniensis*, *Willey* (*nom. tent.*), *mentd.*, 86.
 — *erythraea*, *Willey*, *mentd.*, 87, 90, 92, 97.
 — *flava*, *Eschscholtz*, 85, 86; *mentd.*, 88-97.
 — — *var. caledoniensis*, ? *Willey*, 86.
 — — *var. cooperi*, *Punnett*, 87, 93.
 — — *var. gracilis*, *Punnett*, 87.
 — — *var. laccadivensis*, *Punnett*, 87.
 — — *var. laysanica*, *Spengel*, 86.
 — — *var. maldivensis*, *Punnett*, 87.
 — — *var. muscula*, *Punnett*, 87.
 — — *var. parva*, *Punnett*, 87.
 — — *var. saxicola*, *Punnett*, 87.
 — *hedleyi*, *Hill*, *mentd.*, 86.
 — *laysanica*, *Spengel*, *mentd.*, 86.
 — *pelsarti*, *Dakin**, from the Abrolhos Islands, 98.
 — *viridis*, *Punnett*, 87.
Pycnonotus flavistriatus [*auct.?*], *expers.*, 216.
 — *layardi*, *Gurney*, *expers.*, 205, 313.
Pycnosoma, *Brauer*, 355, 356.
 — *chloropyga*, *Wied.*, 356.
Pyrameis cardui (*Lin.*), *Trim.*, 235-383; as food, 215, 238; pupa, 265, 383.
Redoa melanocraspis, *Hmp.*, 358, 369.
Reluctance of birds for butterflies, 209-211.
Rhabdotis aulica, *Oliv.*, 320, 355, 358; larvæ as food, 215, 368; rejected, 231.
Rhingia cærulescens, *Lw.*, 353.
Rhinomyza denticornis, *Fabr.*, 339.
Rhipicephalus, *Koch*, *sp.*, 334, 365.
Rhodogastria bubo, *Walk.*, 362.
Rhopalocampta, *Wallg.*, 243.
 — *forestan*, *Cram.*, 279-384.

- Rhopalocampta libeon, *H. H. Druce*, 364-383.
 — pisistratus, *Fabr.*, 364-384.
 Rollers, expers. on, 226; their food, 212.
 Rubus parvifolius, *Linm.*, mentd., 23.
 Salamis anacardii (*Linm.*), 234-383.
 — cacta (*Fabr.*), 305-383.
 — — var. languida, *Bartel*, 310, 347.
 — nebulosa, *Trim.*, 296-383.
 Salius, *Fabr.*, 359, 360.
 — basalis, *Smith*, 340.
 Sarangesa djælælæ, *Wally.*, 256.
 Sarcophaga, *Meig.*, sp., 353.
 Scaptobius pentarthrius, *Westw.*, 351.
 Scarabæus nigroæneus, *Boh.*, 344.
 Scolopendra morsitans, *Linm.*, 352-53.
 Scyllarides sp., mentd., 101, 122.
 Solpuga sagittaria, *Poc.*, expers., 205.
 Somatochlora, *Selys*, mentd., 9.
 Spengelia, *Willey*, mentd., 91.
 Sphingomorpha chlorea, *Cram.*, 316, 328, 368, 369.
 Spider, mentd., 39.
 Spilophorus plagosus, *Boh.*, 346.
 Spindasis natalensis (*Doubl.*), 332.
 Spinning glands of Microgaster, 396.
 Spirama capensis, *H. S.*, 327.
 Spirolobus, *Brandt*, sp., 320, 334.
 Spirostreptus, *Brandt*, sp., 335; refused, 314.
 Staurophlebia, *Brau.*, mentd., 11, 71.
 Strix flammea, *Linm.*, 357.
 Swallows, expers. with, 206.
 Swynnerton, C. F. M., Experiments and Obs. on the Explanation of Form and Colouring, 203-285.
 Sympetrum, *Newm.*, mentd., 130, 160.
 Synthemis, *Selys*, mentd., 52.
 — eustalacta, *Burm.*, nymph, 138-191.
 — macrostigma, *Selys*, nymph, 138-191
 Syntomis cerbera, *Boisd.*, 287, 355.
 Syrniium woodfordi, *Smith*, expers., 205.
 Tachinidæ, dipterous parasites, 489.
 Tachopteryx, *Ule*, mentd., 20.
 Tagiades flesus (*Fabr.*), 253-384.
 Tapronota calliparea, *Schaum*, 352, 353.
 Tarsiger stellatus, *Vieill.*, 206.
 Tarucus plinius (*Linm.*), 250-383.
 Teflius hacquardi, *Chaud.*, 356.
 Telephlebia, *Selys*, Description of a New Form of, by H. Champion, 79-80.
 Telephlebia, *Selys*, 30; mentd., 11, 12, 58.
 — asthenes, *Tilly.**, 41, 76; mentd., 13, 32.
 — godeffroyi, *Selys*, 31-33, 75; mentd., 8, 80.
 — — godeffroyi, *Selys*, 33, 37, 76; mentd., 13.
 — — — (?) var. hyalina, proposed n. var., 34.
 — — brevicauda, *Tilly.**, 32, 34, 76; mentd., 13.
 — — cyclops, *Tilly.**, 32, 36, 76; mentd., 13.
 — — tillyardi, *Campion**, 32, 37, 79; mentd., 13.
 — macleayi, *Martin*, 22.
 — racleayi, *Martin*, 22.
 Telephonus senegalus (*Linm.*), expers., 206.
 Teracolus, *Swains.*, 259-383.
 — achine, *Cram.*, 363.
 — auxo, *Lucas*, 359.
 — eris, *Klug*, 350.
 — phleggas, *Butl.*, 331.
 Terias brigitta, *Cram.*, 207-384.
 — desjardinsii, *Boisd.*, 261.
 — regularis, *Butl.*, 360-389.
 — senegalensis, *Boisd.*, 207-384.
 "Terias Teracolus" [artificial specimen], 369 (cf. 370).
 Termites as food in expers., 215, 322.
 Tetracanthagyna, *Selys*, mentd., 13, 70.
 Tetralobus, *Oliv.*, sp., 360, 361.
 Tetranychus, *Duf.*, sp., 384.
 Tettigoniella cosmopolita, *Sign.*, 342.
 Tillyard, R. J., Life-Histories and Descriptions of Australian *Æschninae*; with a Description of a New Form of *Telephlebia*, by H. Champion, 1-83; A Study of the Rectal Breathing-Apparatus in the Larvæ of Anisopterid Dragonflies, 127-201.
 Tirumala petiverana, *Doubl.*, 381.
 — septentrionis, *Butl.*, 362, 379.
 Tracheal system of Microgaster, 399.
 Trepsichrois mulciber, *Cram.*, 362, 379, 381.
 Triacanthagyna, *Selys*, mentd., 13, 70.

Trichilia chirindensis sphalm. chirindia,
Swyn. & Bak. f., seeds, 340.
Trichogramma evanescens, *Westw.*, 406.
Trombidium, *Fabr.*, rejected as food, 308.
Tryxalis, *Fieb.*, 370.
 — sp., 346.
 — *turrita* (*Linn.*), 370.
 Unpalatability, 223–225.
Uropetala, *Selys*, mentd., 20.
 Vesicle, abdom., of *Microgaster*, 397, 411.
 Wasp, fossorial, 410.

Xanthospilopteryx superba, *Bull.*, 336;
 refused, 230.
Xiphocera, *Big.*, 353.
Xylocopa africana, *Fab.*, 366–67.
 — senior, *Vach.*, 366–67.

Ypthima, *Hueb.*, 255.
 — *impura*, *Elw. & Edw.*, 370.

Zeritis, *Westw.*, sp., 299.
Zonocerus elegans (*Thunb.*), 319, 323; re-
 used, 325, 332, 335, 338, 344, 350, 353.
 “Zwidata” root, 328.